ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ ಕಛೇರಿ
ವಾರ್ಡ್ ನಂ.14 (ಬಾಗಲಗುಂಟೆ)

Name of Work: Bill For Construction of CC Drains at 16th A Cross Bagalagunte in ward No 14 Bagalagunte

Name of the Agency:	:	KRIDL
Est Cost in Lakhs	:	Rs.50.00
Job Code	:	014-18-000352
AS No & Date	:	EE/DD/AS/ /18-19, Dt.
TS No & Date	:	EE/DD/TS/ /18-19, Dt.
Work Order No & Date	:	BBMP/EE/DD/WO/ 25/18-19, Dt.09.08.2018
Ist & Final Bill Amount	:	Rs.
Bill Record Date	:	
M B No	:	2252/18-19
MB Page No	:	225132-225140

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Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. First & Final
Date.....20.....

Division : Dasarahalli Sub-Division: Bagalagunte
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No

Name of Work (as per sanctioned estimate **Construction of CC Drains at 16th A Cross Bagalagunte in ward No 14 Bagalagunte**

Name of Contractor and Full Address **KRIDL, Project Implementation Unit, No.280, 59th cross, 17th C main road, 3rd Y Block, Rajajinagara, Bangalore-560010**

Reference to Agreement No. EE/DD/WO/25/18-19 **Date: 09.08.2018**

Certified that the measurements were taken by me on _____and recorded of pages._____ of measurement Book No. _____ and that the work is satisfactorily executed.

Contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Officer-in-Charge of work

Certified that the measurements were taken by me on.....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer
ಉಪ-ವಿಭಾಗ
ಬಿಂಗಳೂರು

If Memorandum of Payment **014-19-000051**

1)	Total value of work done or supplies made as per account		
2)	Deduct amount to be held in reserve being.....percent Rs.....		
3)	Deduct amount to be held in reserve being Balance		
4)	Deduct Payment :		
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No..... Amount adjusted towards cash advance recovery of		
	b) Payments cost store or other materials supplied. Now made recovery of amount creditable to this/other work		
	Amount paid on this bill Cheque/Cash		
5)	Balance being unpaid value of work done held in reserve		
6)	Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments		
7)	Net amount due to or from contractor		
	Unadjusted items		
8)	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied		

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Contractor's Signature

Received Rs.....(in works)
.....
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

(For use in the Office)

1.

2.

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Dated..... Signature of Contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Initials of Officer Making Payment Dated ..... **Executive Engineer**

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Sl	Description of Item
1	Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.
2	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.
3	Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.
4	Supplying, fitting and placing TMT Bars Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specifications. MORTH Specification No. 1600 & 2200
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness including attached pilaste`, buttresses, plinth and string cou`es cost of all materials, labour complete as per specifications.
6	Supplying and fixing precast rainforced concee slab10cm thick of Mix M 20 using 20MM including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.
7	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.
8	Painting two coats on New Concrete Surface: Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications
9	Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications, Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading

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Unit	Previous Measurement			Present Measurement			Total Upto Date	
	Qty	Rate	Cost	Qty	Rate	Cost	Qty	Cost
Cum	–	–	–	380.34	203.78	77506.00	380.34	77506.00
Sqm	–	–	–	61.65	5159.02	318054.00	61.65	318054.00
Sqm	–	–	–	155.76	6965.26	1084909.00	155.76	1084909.00
Ton	–	–	–	10.97	66482.14	729309.00	10.97	729309.00
Sqm	–	–	–	947.20	310.58	294181.00	947.20	294181.00
Sqm	–	–	–	273.60	1698.00	464573.00	273.60	464573.00
Nos	–	–	–	676.00	331.78	224283.00	676.00	224283.00
Sqm	–	–	–	136.80	69.96	9571.00	136.80	9571.00
Cum	–	–	–	231.00	170.92	39483.00	231.00	39483.00

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Sl	Description of Item
10	Compaction of original ground with maximum of 6 passes of 8 to 10 tonees power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications
11	Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.
12	Construction of dry lean cement concrete mix M5 with OPC cement @ 160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub-base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/cum, optimum moisture content to be determined during trial length construction, conrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to side, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications
13	Cement concrete pavement. Construction un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.0 design mix M20/M30, with 25mm and down size graded granite metal coarseaggregates and fine aggregtes, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed-2008 mixed in a concrete mixer of not less than 0.6cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, racke` compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)
14	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,Screed Vibratory, Power Floater, blade and disc., with all lead and lift.

Certificate:

1. This is certify that the Contractor has completed the work satisfactory.
2. The Contractor has cleared the debris from the work spot.
3. The contractor has used his own vehicles for the conveying the debris.
4. There are no departmental issues for the above work.

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Unit	Previous Measurement			Present Measurement			Total Upto Date	
	Qty	Rate	Cost	Qty	Rate	Cost	Qty	Cost
Sqm	–	–	–	660.00	5.30	3498.00	660.00	3498.00
Cum	–	–	–	99.00	1768.08	175040.00	99.00	175040.00
Cum	–	–	–	99.00	3986.66	394679.00	99.00	394679.00
Cum	–	–	–	99.00	6217.96	615578.00	99.00	615578.00
Sqm	–	–	–	660.00	95.40	62964.00	660.00	62964.00
						4493628.00		4493628.00
				KRIDL Charges		494299.00		494299.00
						4987927.00		4987927.00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದೊಡ್ಡಬಾನಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಹೊಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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